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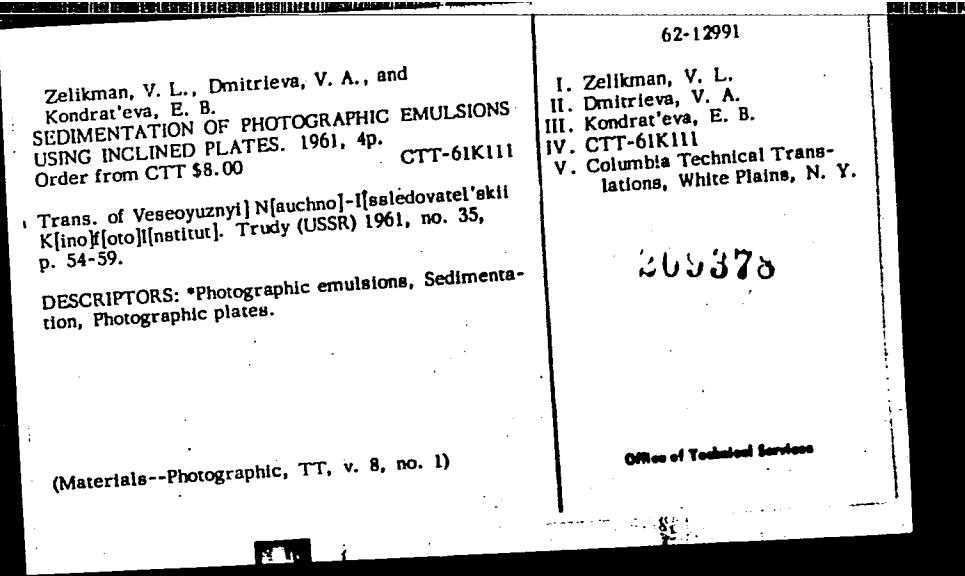
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Integration Block of a Digital Integrating Machine, by B. V. Baran, Z. S. Zelinsky
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BSSIAM, pub., Kiberneticheskiye Vychisliteli "VZ-1"
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Metodam Nauko Modelir, Moscow, 1962, pp 106-113.
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The Effect of Additions of Vanadium on the Self-Diffusion of Iron, by M. S. Zelinskiy, B. M. Noskov, P. V. Pavlov, 5 pp.

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Lunar Radio Emissions at 1.63 cm Wavelength,
by M. R. Zelinakaya, V. S. Troitskii,
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1959, pp 643-647.

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Soviet Astron-AJ
Vol III, No 4

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Mar 60

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Centenary of the Birth of Academician, by N. D.
Zelinskiy, A. A. Balandin, 4 pp,

RUSSIAN, per, Zhur Fiz Khim, Vol XXXV, No 3, 1961,
pp 481-489.

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Bal'pern, G. D.
ANALYSIS OF KOSS-CHAGYL GL. (EMRA).
COMMUNICATION 2. CATALYTIC DEHYDROGENA-
TION OF NAKHOD'KA GASOLINE-KEROSENE FRACTI-
ONS. 15p. MIWEL-277.
Order from OIG or RTG \$1.85 61-17992
Transl. of Akademiia Nauk SSSR, Otdelenie Matema-
ticheskikh i Mekhanicheskikh Nauk, Izvestiya, Seriya
Khimicheskaya, 1937, p. 361-478.

DESCRIPTORS: Gasoline, Kerosene, Dehydrogena-
tion, Platinum, Catalyst.

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I. Zelinskii, N. D.
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Zelinskii, N. D. and Halpern, G. D.
INVESTIGATION OF THE JURASSIC OIL FROM THE
KOSTCHAGYL OIL DEPOSIT. COMMUNICATION 3.
CORRECTED DATA REGARDING THE COMPOSITION
OF THE GASOLINE-KEROSINE FRACTIONS. 13p.
11 refs. MTWL-275.
Order from OTS or ETC \$1.85

Trans. of Akademiya Nauk SSSR, Ordelenie Tekhnicheskikh Nauk, Izvestiya, 1947, no. 5, p. 3-10.

DISCRIPTORS: *Gasoline, Kerosine, Mineral oils, Analysis, Dehydrogenation, Catalysts.

61-17990

I. Zelinskii, N. D.
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III. MTWL-275
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Zelinskii, N. D., Arbuzov, Yu. A., and Batuev, M. I.
CONTACT ISOMERIZATION OF 1-OCTENE AND
INVESTIGATION OF THE ISOMERIZATION PROD-
UCTS BY THE COMBINATION SCATTERING SPEC-
TRAL METHOD. [1961] 6p. 8 refs.
Order from OTS or SLA \$1.10

61-18198

I. Zelinskii, N. D.
II. Arbuzov, Yu. A.
III. Batuev, M. I.

Trans. of [Akademiya Nauk SSSR]. Comptes Rendus
(Doklady) de l'Academie des Sciences de l'U. R. S. S.,
1945, v. 46, p. 150-153.

DESCRIPTORS: *Octenes, Molecular Isomerism,
Catalysis, Spectrographic analysis, Hydrocarbons.

Isomerization of 1-octene was studied at 450° in the
presence of beryllium oxide and at 400° in the presence
of silica gel. In the first case methylheptenes were
mainly formed. These were hydrogenated and the prod-
uct subjected to Raman spectroscopy, whereby
4-methylheptane, 3-methylheptane and some 2-methyl-
(Chemistry--Organic, TT, v. 6, no. 7) (over)

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Zelinskii, N. D. and Arbuzov, Yu. A.
CONTACT ISOMERIZATION OF CYCLOHEPTENE.
[1961] 5p. 13 refs.
Order from OTS or SLA \$1.10

61-18165

Trans. of [Akademiya Nauk SSSR]. Comptes Rendus
(Doklady) de l'Academie des Sciences de l'U. R. S. S.,
1944, v. 45, p. 19-21.

DESCRIPI'RÓRS: *Cycloheptenes, *Molecular isomerism,
Hydrocarbons.

Isomerization of cycloheptene was effected at 400° and
a rate of flow of 5 g per hour through a reaction tube
15 mm in internal diameter, in which a 50-cm long
layer of silica gel was contained. Data obtained upon
hydrogenation of the product revealed that the principal
product was a mixture of cyclopentene derivatives
among which the 1, 2-dimethyl derivative prevailed.
Formation of 1-methylcyclohexene as an intermediate
(Chemistry--Organic, TT, v. 6, no. 7) (over)

61-18165

1. Title: Contact conversion
- I. Zelinskii, N. D.
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(Unannounced)	
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Zelinskii, N. D., Arbuzov, Yu. A., and Batuev, M. I.
CONTACT CONVERSIONS OF 1,3-CYCLOHEXADIENE AND 1,4-CYCLOHEXADIENE. [1961] 7p.
17 refs.

Order from OTS or SLA \$1.10

61-18891

Trans. of Akademiya Nauk SSSR. Otdelenie Khimicheskikh Nauk. Izvestiya, 1945, p. 486-491.

DESCRIPTORS: *Cyclohexadienes, Chemical reactions, Beryllium compounds, *Oxides, Catalysts, Catalysis, Hydrogenation, Cyclohexenes, Methyl radicals, Cyclopentenes, Cyclopentanes, Cyclohexanes, Benzenes, Hexanes, Pentenes, Pentanes, Raman spectroscopy.

Contact conversions of two cyclohexadienes were studied in the presence of beryllium oxide at 400°. The principal products from 1,3- and 1,4-cyclohexadiene, respectively are as follows: benzene, 65 and 82 mole per cent; methylcyclopentene isomers, 28 and 12 mole (Chemistry--Organic, TT, v. 6, no. 10) (over)

61-18891

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II. Arbuzov, Yu. A.
III. Batuev, M. I.

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<p>Zelinski, V. A. THE FUNCTIONAL STATE OF THE ARTERIAL SYSTEM IN PATIENTS WITH HYPERTENSIVE DISEASE. [1963] [18]p. 16 refs. FASEB manuscript no. S 402-2. Order from OTS or SLA \$1.60</p> <p>Trans. of Terapevticheskii Arkhiv (USSR) 1962, v. 34, no. 10, p. 20-26.</p> <p>DESCRIPTORS: *Arteries, *Hypertension, Heart, *Blood circulation, Velocity, Blood vessels, Atherosclerosis, Diagnosis.</p> <p>The tone of arteries of hypertensive patients was studied by measuring the pulse wave velocity and examining the radiographic shadow of the aorta. The pulse wave velocity was measured from the carotid to the femoral artery, from the brachial to the radial. (Biological Sciences--Pathology, TT, v. 10, no. 9) (over)</p>	<p>63-23031</p> <p>I. Zelinski, V. A. II. FASEB S-402-2 III. Federation of American Societies for Experi- mental Biology, Washington, D. C. IV. Scripta Technica, Inc., Washington, D. C.</p> <p>Office of Technical Services</p>
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Condensing Action of Methylene Radicals on Ethylene,
Ethylene, by Ya. T. Eydus, N. D. Zelinskiy, N. I. Ershov.
RUSSIAN, thrice-mo per, Dok Ak Nauk SSSR, Vol LX, No 4,
1948.

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Zelinskii, N. D. and Kozlov, N. S.
DECOMPOSITION OF NATURAL AND SYNTHETIC
RUBBER IN THE PRESENCE OF ALUMINUM
CHLORIDE. [1961] 8p 8refs
Order from OTS, SLA, or ETC \$1.10 TT-61-16813

Condensed trans. of Zhurnal Prikladnoi Khimii (USSR)
1933. v. 6, [no. 1] p. 36-44.

DESCRIPTORS: *Rubber, *Synthetic rubber, De-
composition, Aluminum compounds, Chlorides,
Hydrocarbons, Polymerization.

(Engineering--Chemical. TT, v. 11, no. 3)

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Thermal Decomposition of Cyclohexanes, by N. D.
Zelinskiy, B. M. Mikhailov, et al. 9 pp.
RUSSIAN, per, Zhurnal Obshchei Khimii, Vol 4,
1934, pp 856-865.
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Obtaining Styrene by Catalytic Dehydrogenation
of Ethyl Benzene, by A. A. Belozer, I. D. Poliakoff,
G. N. Kurnikov, O. K. Bogdanova, 30pp.
RUSIAN, per, Journal Polytechnic Institute, Vol. 14,
1943, No 2, pp. 151-172
SIA TP-65-10144

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Monoxides, by N. D. Zelinsky.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol IX, No 2,
1948, USSR, pp 235-237.

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Irreversible Catalysis of Unsaturated Cyclic Hydrocarbons. IV. Contact Transformation of α -Pinene,
a Contribution to the Knowledge of Dihydropinene,
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On the Catalytic Hydrocondensation of Carbon Monoxide With Olefins. I. Hydrocondensation of Carbon Monoxide With Ethylene, by
V. T. Endis, N. D. Zelinskiy, K. V. Fuzitskiy,
7 pp. ✓ ✓ ✓

RUSSIAN, per, Iz Ak Nauk, Otdel Khim Nauk, No 1,
1949, p 110.

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